

CUTTING DEVICE WITH SPIRAL BLADES

ABSTRACT OF THE INVENTION

Cutting device for cutting objects, such as leaves, twigs, grass-like plants, fibers, hairs, and the like, having two sets of internally coupled blades, with at least one set of blades being static or dynamically formed whole spiral shape, and the blades having relative rotation therebetween for rotation, oscillation along the axes, rotational oscillation around the axes, or combinations of these motions, to create cutting actions such as shearing, sawing, or a combination of shearing and sawing, with an integrated function of mulching the cuttings generated by the cutting actions.